

Title (en)

Apparatus for generating and playing object based audio contents

Title (de)

Vorrichtung zur Erzeugung und Wiedergabe von objektbasierten Audioinhalten

Title (fr)

Appareil pour générer et lire des contenus audio basés sur un objet

Publication

**EP 2194527 A3 20130925 (EN)**

Application

**EP 09177652 A 20091201**

Priority

- KR 20080121112 A 20081202
- KR 20090020190 A 20090310

Abstract (en)

[origin: EP2194527A2] Disclosed is an object based audio contents generating/playing apparatus. The object based audio contents generating/playing apparatus may include an object audio signal obtaining unit to obtain a plurality of object audio signals by recording a plurality of sound source signals, a recording space information obtaining unit to obtain recording space information with respect to a recording space of the plurality of sound source signals, a sound source location information obtaining unit to obtain sound location information of the plurality of sound source signals, and an encoding unit to generate object based audio contents by encoding at least one of the plurality of object audio signals, the recording space information, and the sound source location information, thereby enabling the object based audio contents to be played using at least one of a WFS scheme and a multi-channel surround scheme regardless of a reproducing environment of the audience.

IPC 8 full level

**G10L 19/00** (2006.01); **G10L 19/008** (2013.01); **H04R 5/00** (2006.01); **H04S 3/00** (2006.01); **H04S 7/00** (2006.01)

CPC (source: EP US)

**G10L 19/008** (2013.01 - EP US); **H04R 5/00** (2013.01 - US); **H04S 7/308** (2013.01 - EP US); **H04S 7/301** (2013.01 - EP US); **H04S 7/305** (2013.01 - EP US); **H04S 2400/11** (2013.01 - EP US); **H04S 2400/15** (2013.01 - EP US); **H04S 2420/03** (2013.01 - EP US); **H04S 2420/13** (2013.01 - EP US)

Citation (search report)

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- [X1] GÜNTHER THEILE: "Wave Field Synthesis - A Promising Spatial Audio Rendering Concept", PROC. OF THE 7TH INT. CONFERENCE ON DIGITAL AUDIO EFFECTS (DAFX'04), 5 October 2004 (2004-10-05), Naples, Italy, pages 125 - 132, XP055074556, ISBN: 978-8-89-014790-6, Retrieved from the Internet <URL:http://dafx04.na.infn.it/WebProc/Proc/P\_125.pdf> [retrieved on 20130808]
- [A] SPORS S ET AL: "AN APPROACH TO LISTENING ROOM COMPENSATION WITH WAVE FIELD SYNTHESIS", AES INTERNATIONAL CONFERENCE ON MULTICHANNEL AUDIO, XX, XX, no. 24th conference, 26 June 2006 (2006-06-26), pages 13pages, XP007901102
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Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

**EP 2194527 A2 20100609; EP 2194527 A3 20130925**; US 2010135510 A1 20100603; US 2013101122 A1 20130425; US 8351612 B2 20130108

DOCDB simple family (application)

**EP 09177652 A 20091201**; US 201213709475 A 20121210; US 62831709 A 20091201